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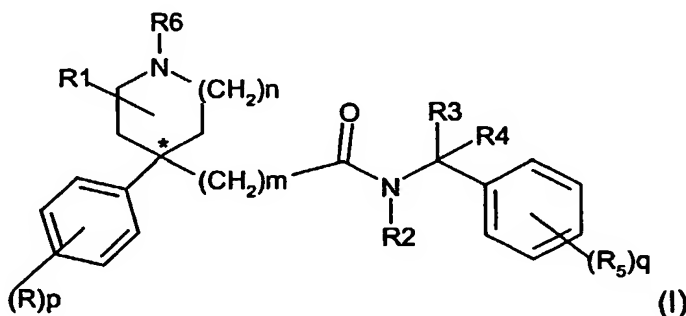
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(54) Title: SUBSTITUTED 4-PHENYL-PIPERIDIN-AMIDES AS TACHYKININ ANTAGONISTS AND SEROTONIN RE-
TAKE INHIBITORS



(57) Abstract: The present invention relates to cyclic amine derivatives of formula(I) (I)whereinR represents halogen, C1-4 alkyl, cyano, C1-4 alkoxy, trifluoromethyl or trifluoromethoxy;R1 represents hydrogen, halogen, C3-7cycloalkyl, hydroxy, nitro, cyano or C1-4 alkyl optionally substituted by halogen, cyano or C1-4 alkoxy;R2 represents hydrogen or C1-4 alkyl;R3 and R4 independently represent hydrogen, cyano, C1-4 alkyl or R3 together with R4 represents C3-7 cycloalkyl;R5 represents trifluoromethyl, S(O)t C 1-4 alkyl, C1-4 alkyl, C1-4 alkoxy, trifluoromethoxy, halogen or cyano;R6 represents hydrogen or (CH2)rR7;R7 represents hydrogen,

C3-7 cycloalkyl, NH(C1-4alkyl)OC1-4alkoxy), NH(C1-4alkyl), N(C1-4alkyl)2, OC(O)NR9R8, NR8C(O)R9 or C(O)NR9R8;R9 and R8 independently represent hydrogen, C1-4 alkyl or C3-7 cycloalkyl; m represents zero or an integer from 1 to 4;n represents 1 or 2;p is zero or an integer from 1 to 3;q is an integer from 1 to 3;r is an integer from 1 to 4;t is 0, 1 or 2;provided that when m is 0, p is 2, q, r and n represent 1, R1, R2,R3, R4, R5 and R7 are hydrogen and R is chlorine, R5 is not iodine; and pharmaceutically acceptable salts and solvates thereof; process for their preparation and their use in the treatment of conditions mediated by tachykinins and/or by selective inhibition of serotonin reuptake transporter protein.

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/07127

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D211/34 C07D211/64 C07D223/04 C07D223/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| A | WO 99 59972 A (HOECHST MARION ROUSSEL INC) 25 November 1999 (1999-11-25) claims | 1,11-14 |
| A | WO 00 21931 A (BROECK DIDIER VAN ;PROIETTO VINCENZO (FR); SANOFI SYNTHELABO (FR);) 20 April 2000 (2000-04-20) claims | 1,11-14 |
| | -/-- | |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *G* document member of the same patent family

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International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP 03/07127

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 12,14 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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